

Grade 8 Academic Standards

Unit 3 Lesson

Science

Standard 1 The Nature of Science and Technology

The Scientific View of the World

- 8.1.1 Recognize that and describe how scientific knowledge is subject to modification as new information challenges prevailing theories and as a new theory leads to looking at old observations in new way.

Standard 2 Scientific Thinking

Communication

- 8.2.7 Participate in group discussions on scientific topics by restating or summarizing accurately what others have said, asking for clarification or elaboration, and expressing alternate positions.

Standard 4 The Living Environment

Interdependence of Life and Evolution

- 8.4.8 Describe how environmental conditions affect the survival of individual organisms and how entire species may prosper in spite of the poor survivability or bad fortune of individuals.

Social Studies

Standard 2 Civics and Government

Roles of Citizens

- 8.2.13 Research and defend positions on issues in which fundamental values and principles related to the Constitution of the United States are in conflict, using a variety of information sources.

Standard 3 Geography

Environment and Society

- 8.3.9 Identify ways people modified the physical environment as the United States developed, and the types of problems that came as a result.

Unit 3 - Activities 1, 4, 5, and 6 satisfy the following Indiana academic standards:

Science

- 8.2.7 Participate in group discussions on scientific topics by restating or summarizing accurately what other have said, asking for clarification or elaboration, and expressing alternative positions.
- 8.3.6 Understand and explain that the benefits of the Earth's resources, such as fresh water, air, soil, and trees, are finite and can be reduced by using them wastefully or by deliberately or accidentally destroying them.
- 8.3.7 Explain that the atmosphere and the oceans have a limited capacity to absorb wastes and recycle materials naturally.
- 8.4.8 Describe how environmental conditions affect the survival of individual organisms and how entire species may prosper in spite of the poor survivability or bad fortune of individuals.

Social Studies

- 8.2.3 Identify and explain the relationship between rights and responsibilities of citizenship in the United States.